

CLAIMS

1 1. A method for controlling the drive of an actuator of an active vibration
2 isolation support system that includes an elastic body receiving a load from a
3 vibrating body, a liquid chamber having a wall of which at least a part is formed
4 from the elastic body, a movable member that moves out and back to change the
5 capacity of the liquid chamber in a cycle, and an actuator that receives a supply of
6 current to generate an electromagnetic force for moving the movable member out,
7 the method comprising the step of:

8 controlling the current supplied to the actuator such that the current passing
9 through the actuator becomes zero at least when the movable member has moved
10 back.

1 2. The method according to Claim 1, wherein it further comprises the
2 steps of:

3 setting a large number of consecutive micro time regions in the cycle; and
4 carrying out duty control of the voltage that is applied to the actuator in each
5 of the micro time regions.